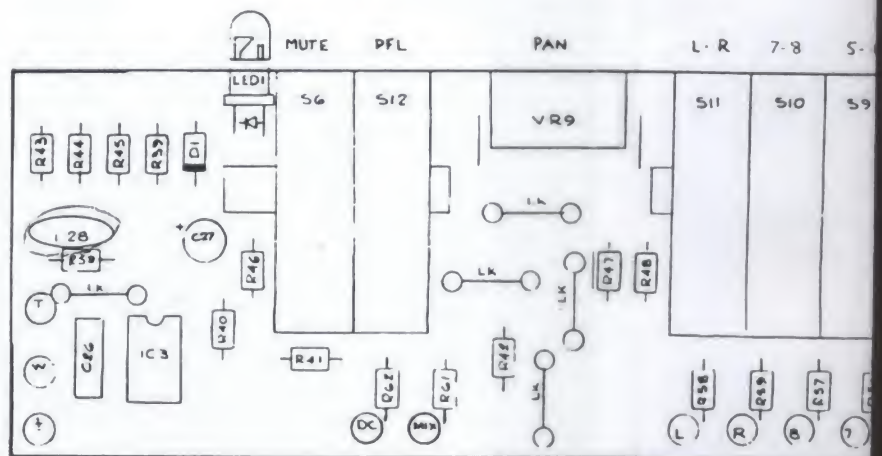
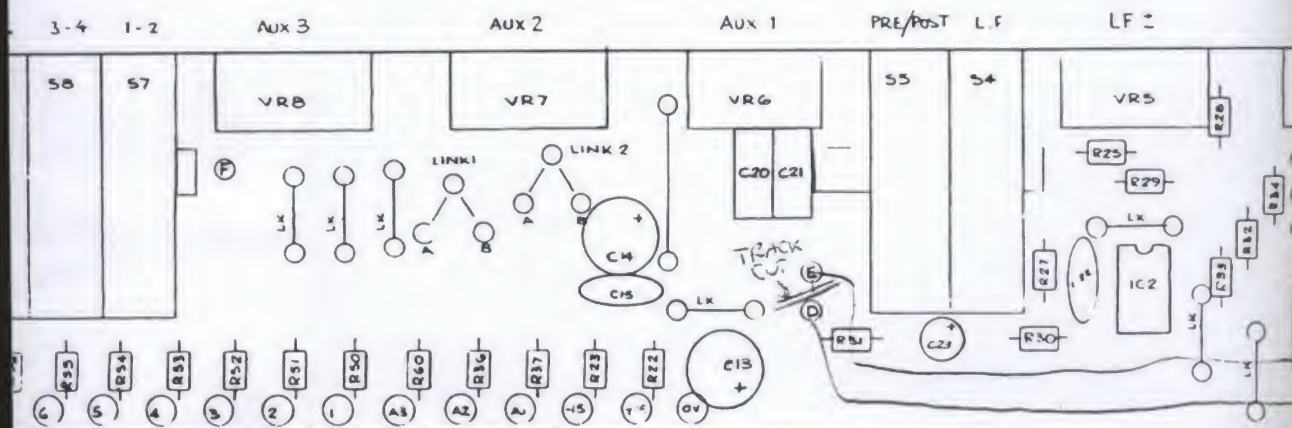


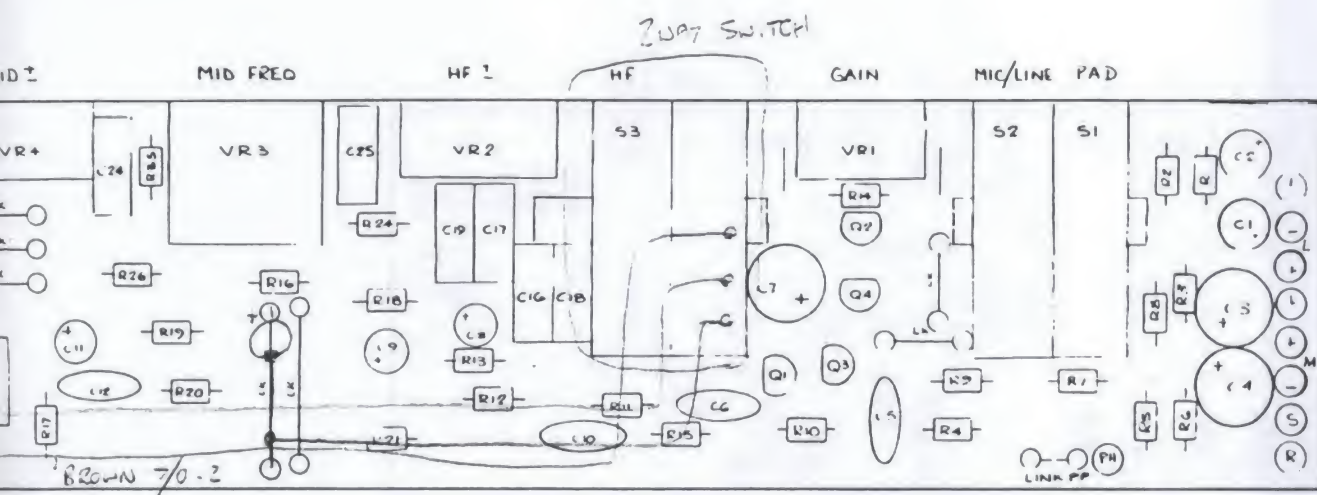


INPUT PCB

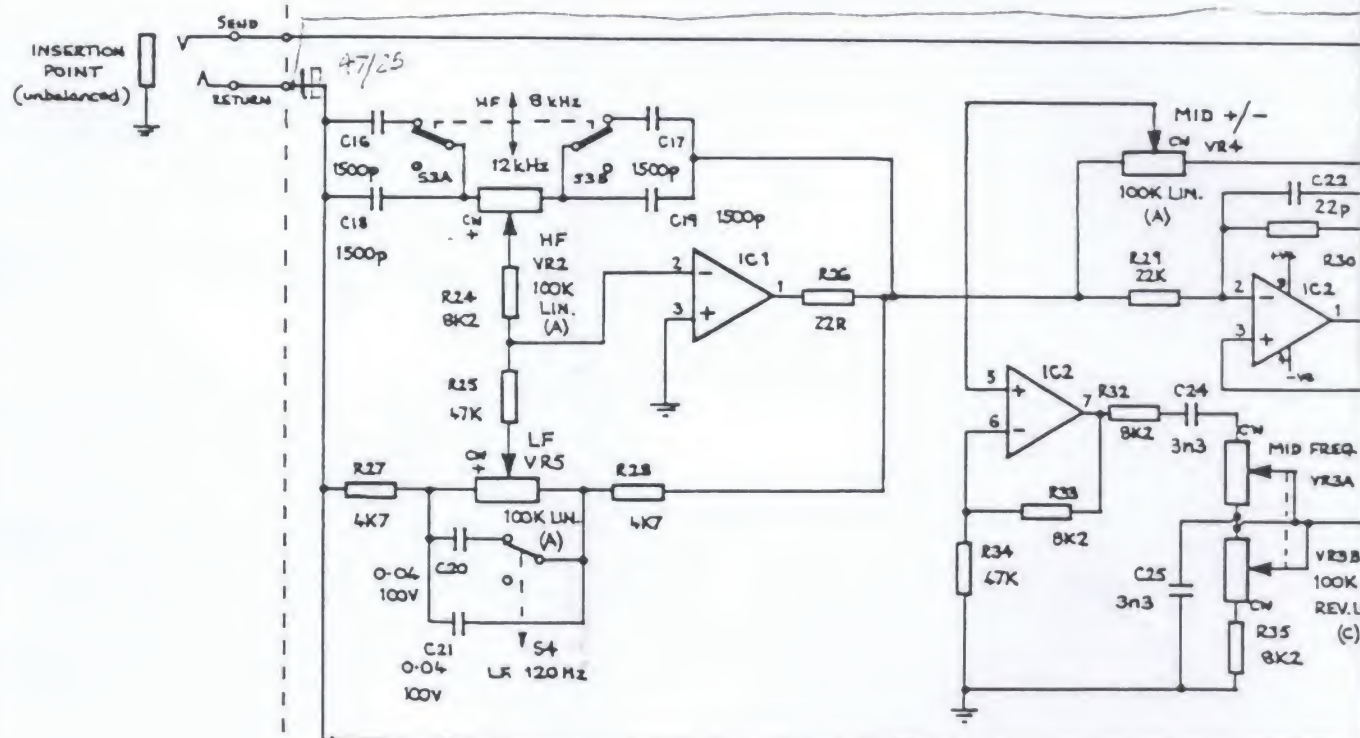




PCB ASSEMBLY DIAGRAM: INPUT PCB TYPE AG0060 ISSUE 1 NOV 19



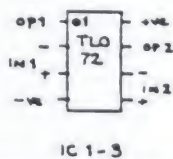
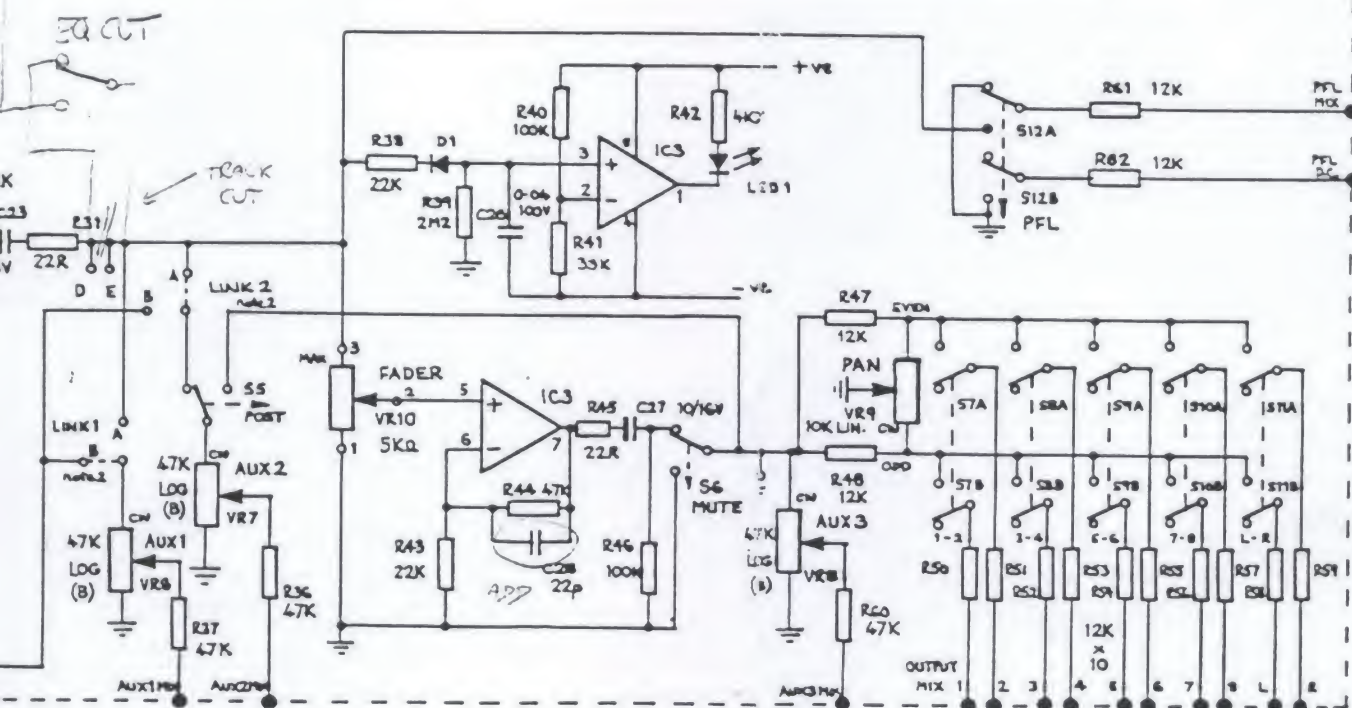
AHB LTD.



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ALLEN & HEATH SYSTEM 8

$$- = \text{MK II}$$



24 1 15 77 A2

TECHNICAL BULLETIN

AHB SYSTEM 8 and 21 SERIES PREAMPS

IMPROVEMENT TO RELIABILITY UNDER FAULT CONDITIONS

With a faulty microphone input connector that earths pin 2 or pin 3 of the channel input and when the +48 volt phantom power is on, failure of the IC1 on the input pcb can occur at the moment the connector is inserted. Experience is that only a small percentage of channels will fail, and the following makes the preamp proof against this failure condition.

Parts required: 2 off general purpose silicon diode IN4148 or equivalent.

Method: refer to the information sheet attached.

Open the unit and on input pcbs locate the input pins to IC1 TL072CP

System 8

21 Series

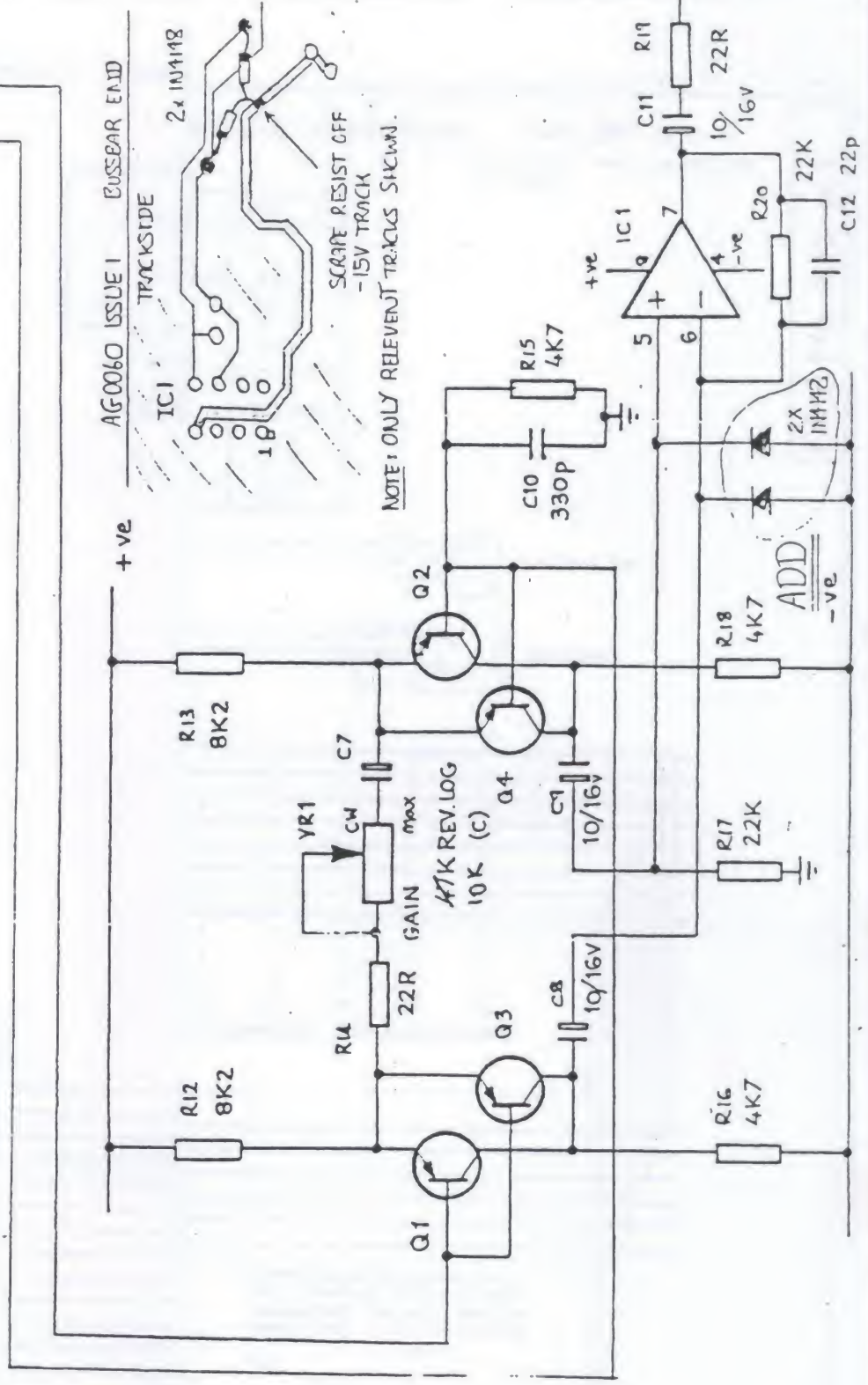
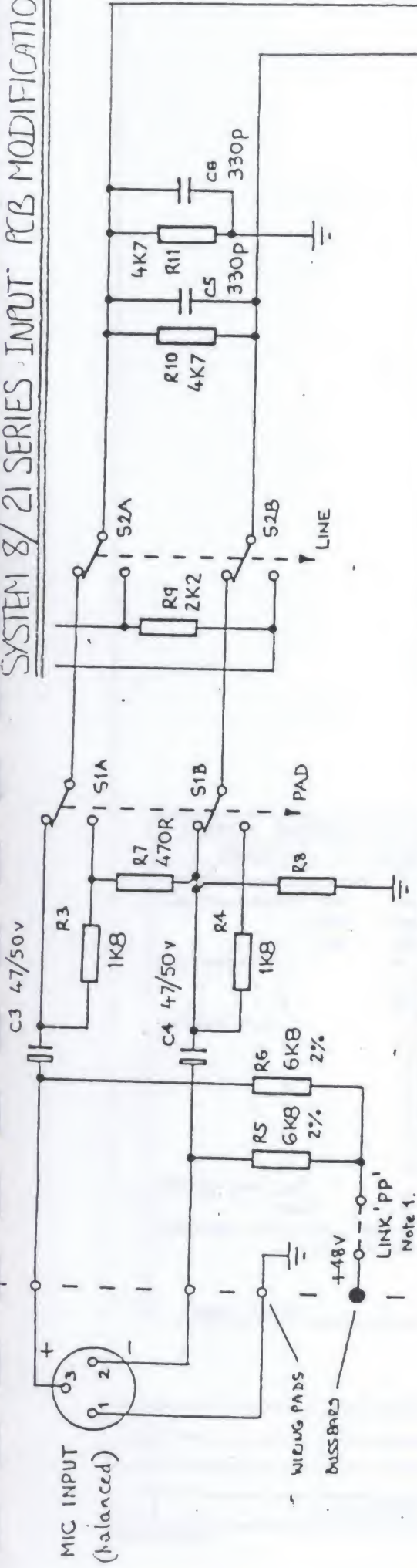
pins 5+6

pins 2+3

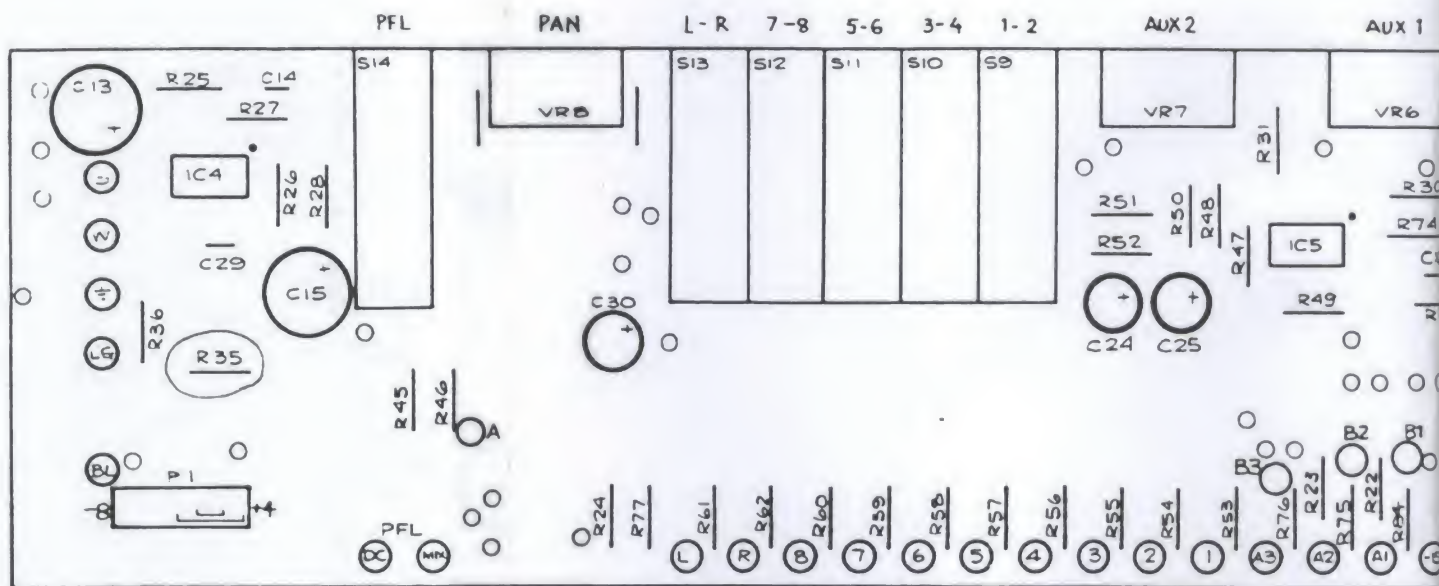
Add one diode between each input pin and the negative 15 volt supply as shown on the diagram. Observe the diode polarity, the end with the stripe should connect to the IC input pins.

This revision applies to all production to date and is factory fitted on System 8 units after serial number 1100 and Series 21 units after serial number 0436.

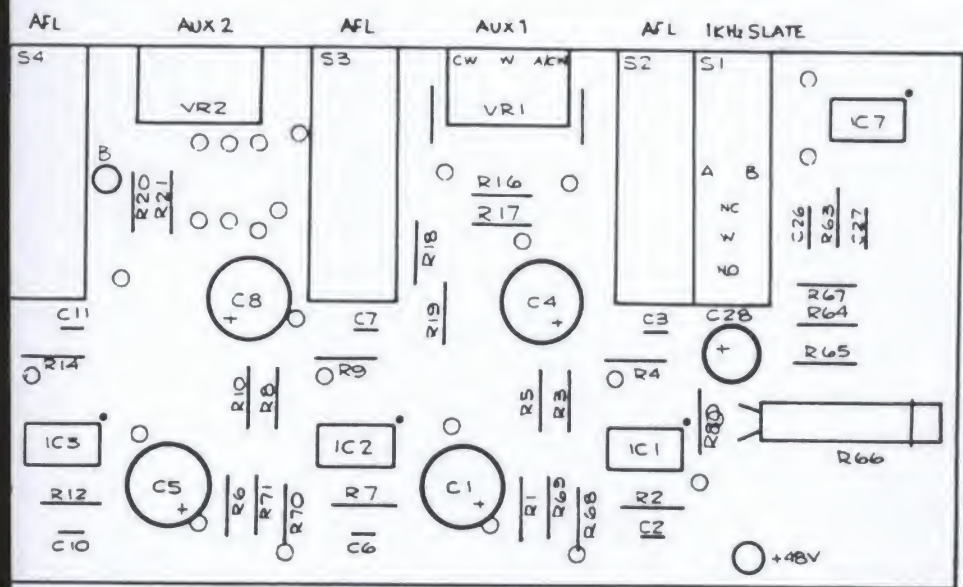
SYSTEM 8/21 SERIES INPUT PCB MODIFICATION

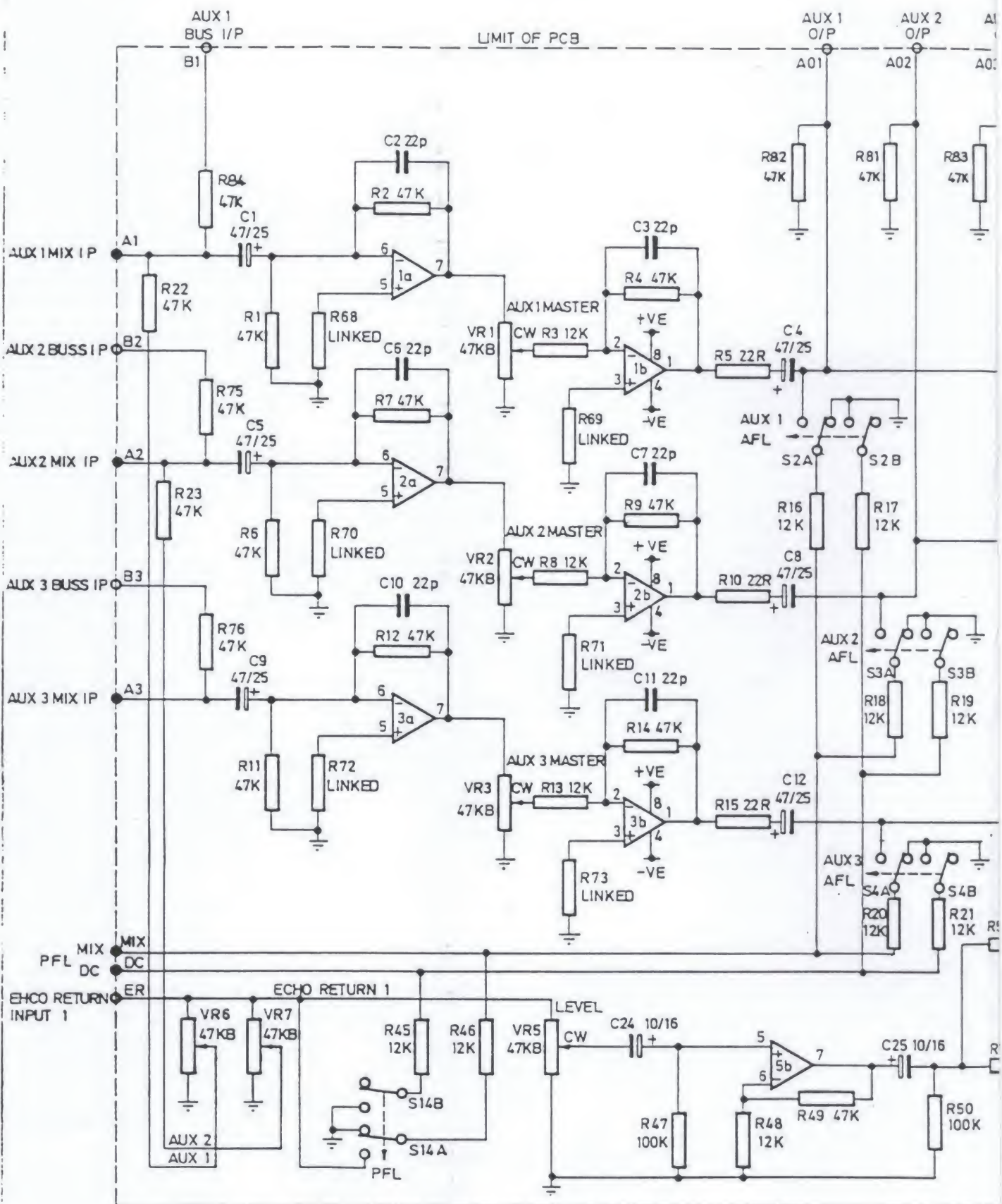


MASTER LEFT PCB



PCB ASSEMBLY DIAGRAM:





○ WIRING PAD

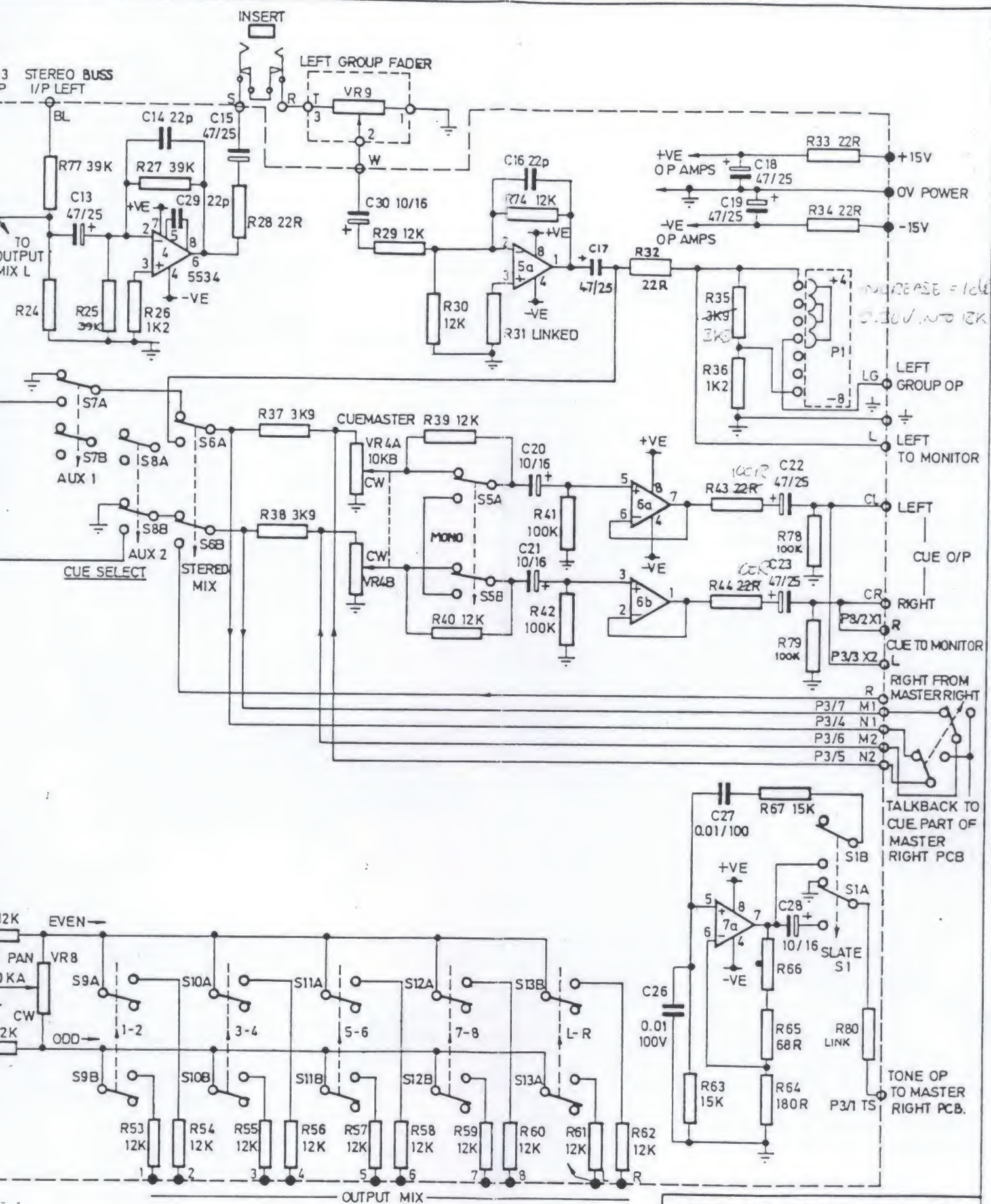
● BUS BAR

Switches shown in OUT position.
Resistors 1/4w 5% unless specified,
P1 fitted +4 position in manu'c.

ICs 1,2,3,5,6,7, TL072CP

IC 4 NE5534.

Capacitors C3,7,11,29 not fitted.
Resistor R24 not fitted.



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NEXT: R C
85 31

ORR RAG WDS DATE 1-11-82

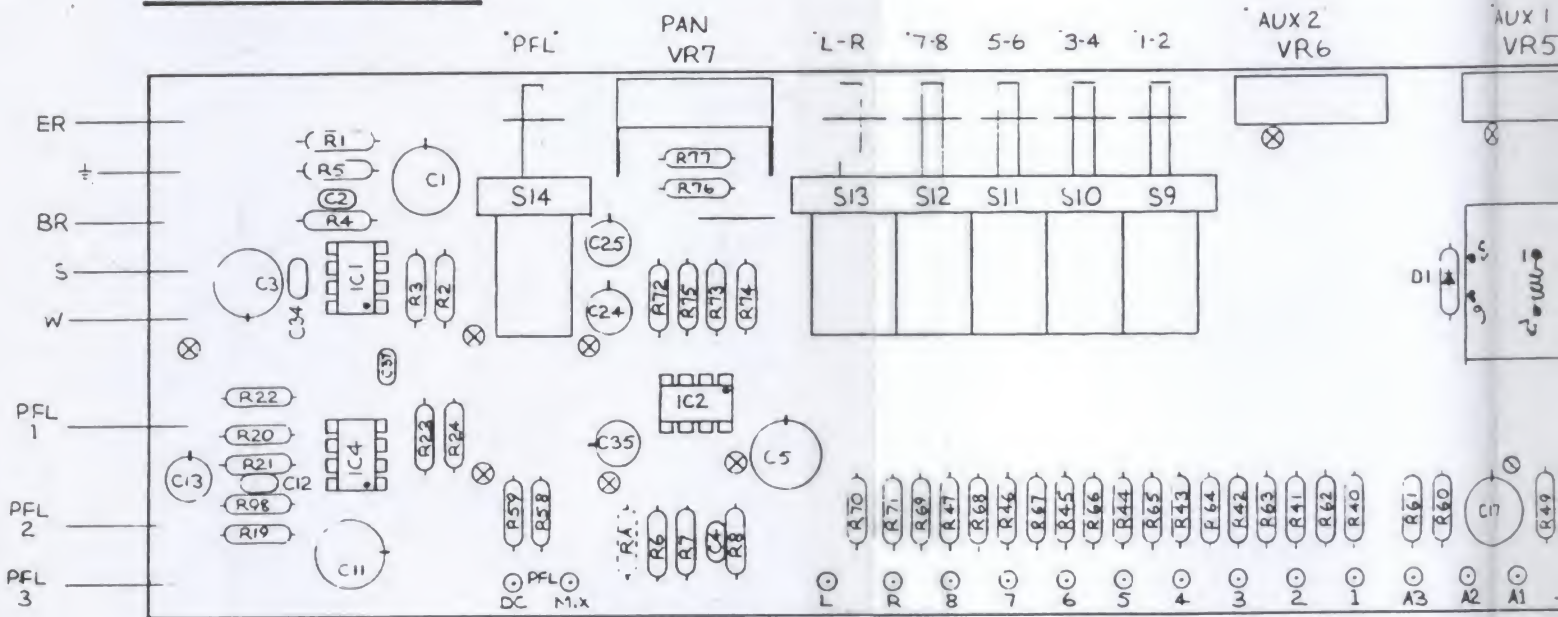
CHKD R ISSUE 1.

TITLE SYSTEM 8 PCB TYPE MASTER
LEFT. AG0057 iss 2.

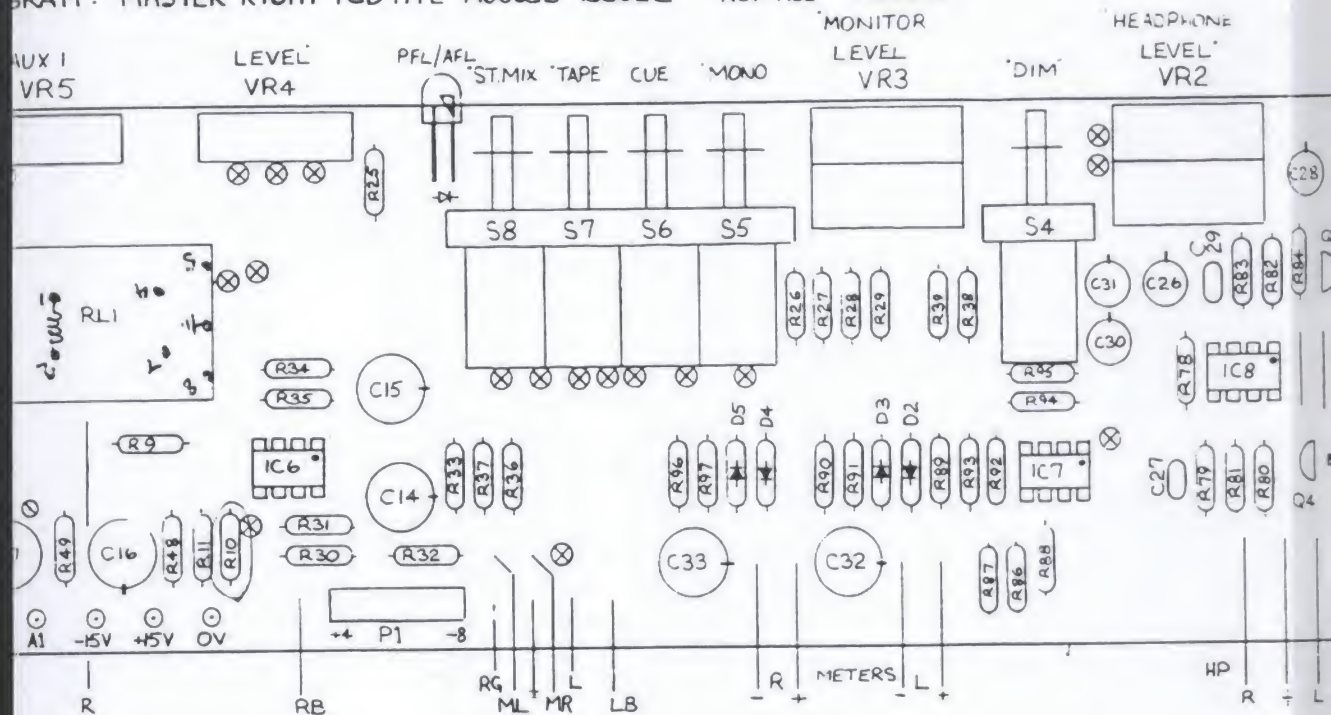
SCALE ORG N° 279 iss. 1

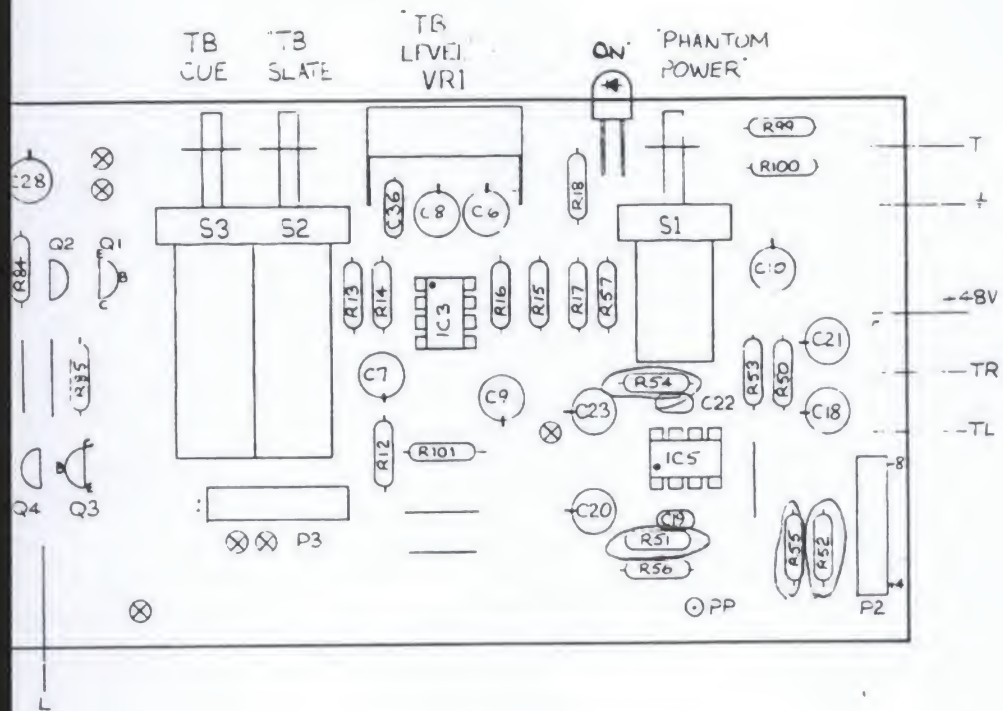
MASTER RIGHT PCB

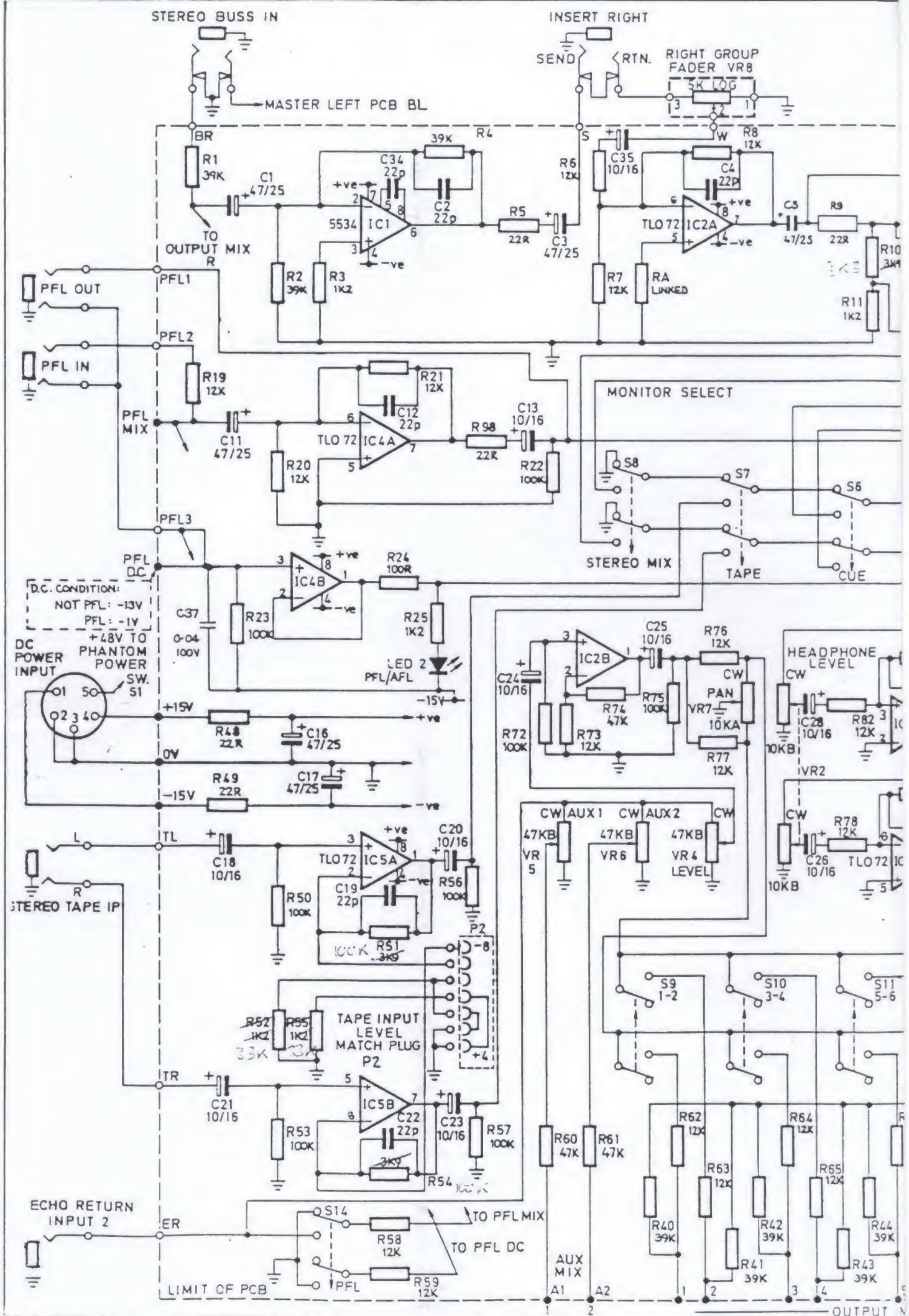
PCB ASSEMBLY DIAGRAM

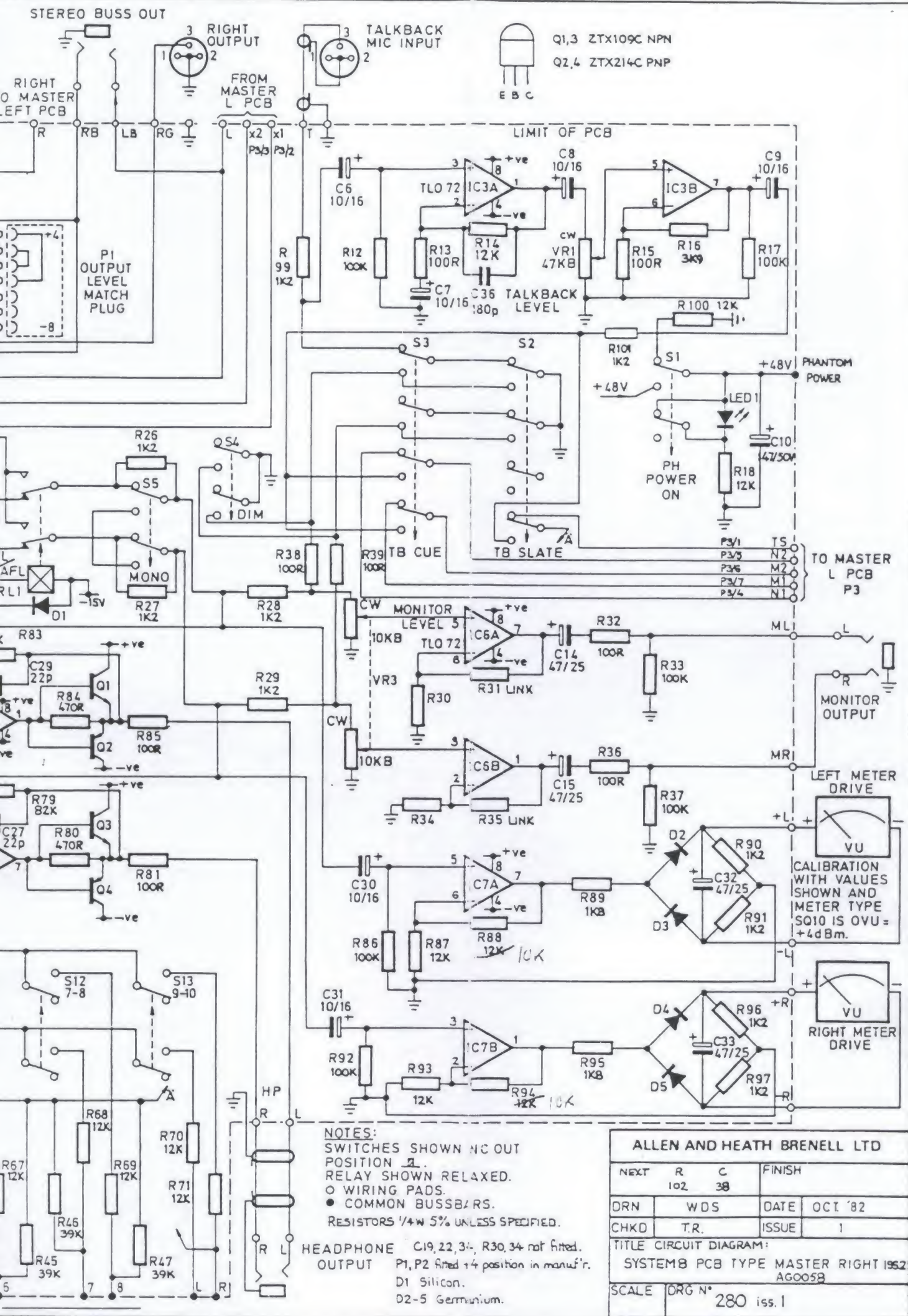


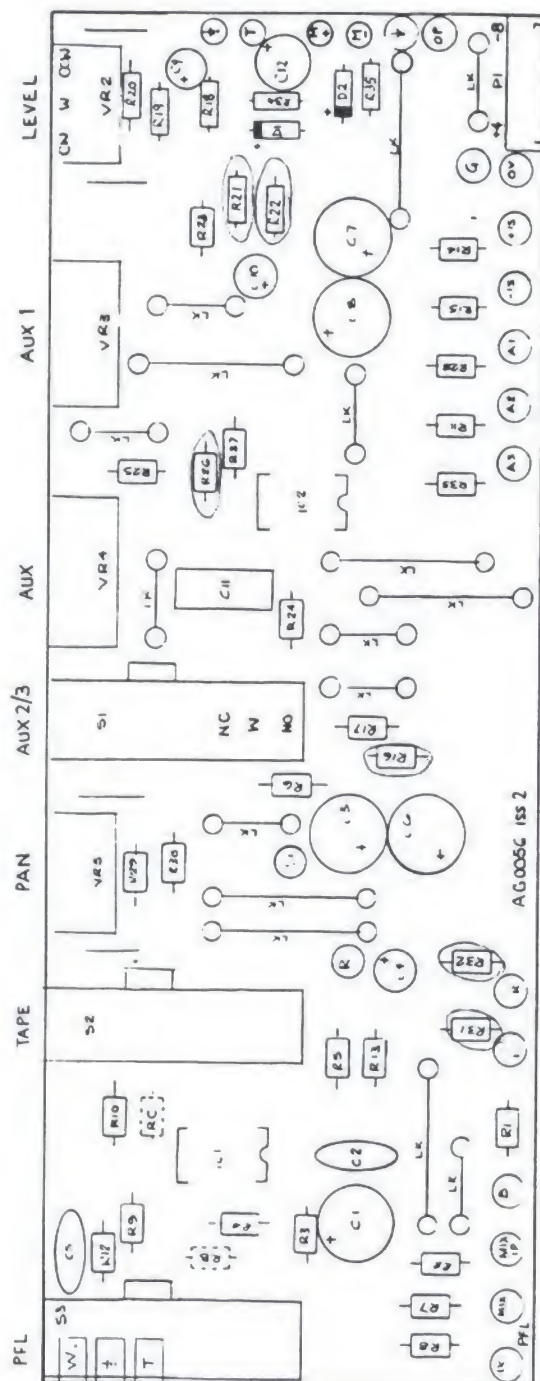
GRAM: MASTER RIGHT PCB TYPE AG0058 ISSUE 2 NOV. 1982 AHB LTD.



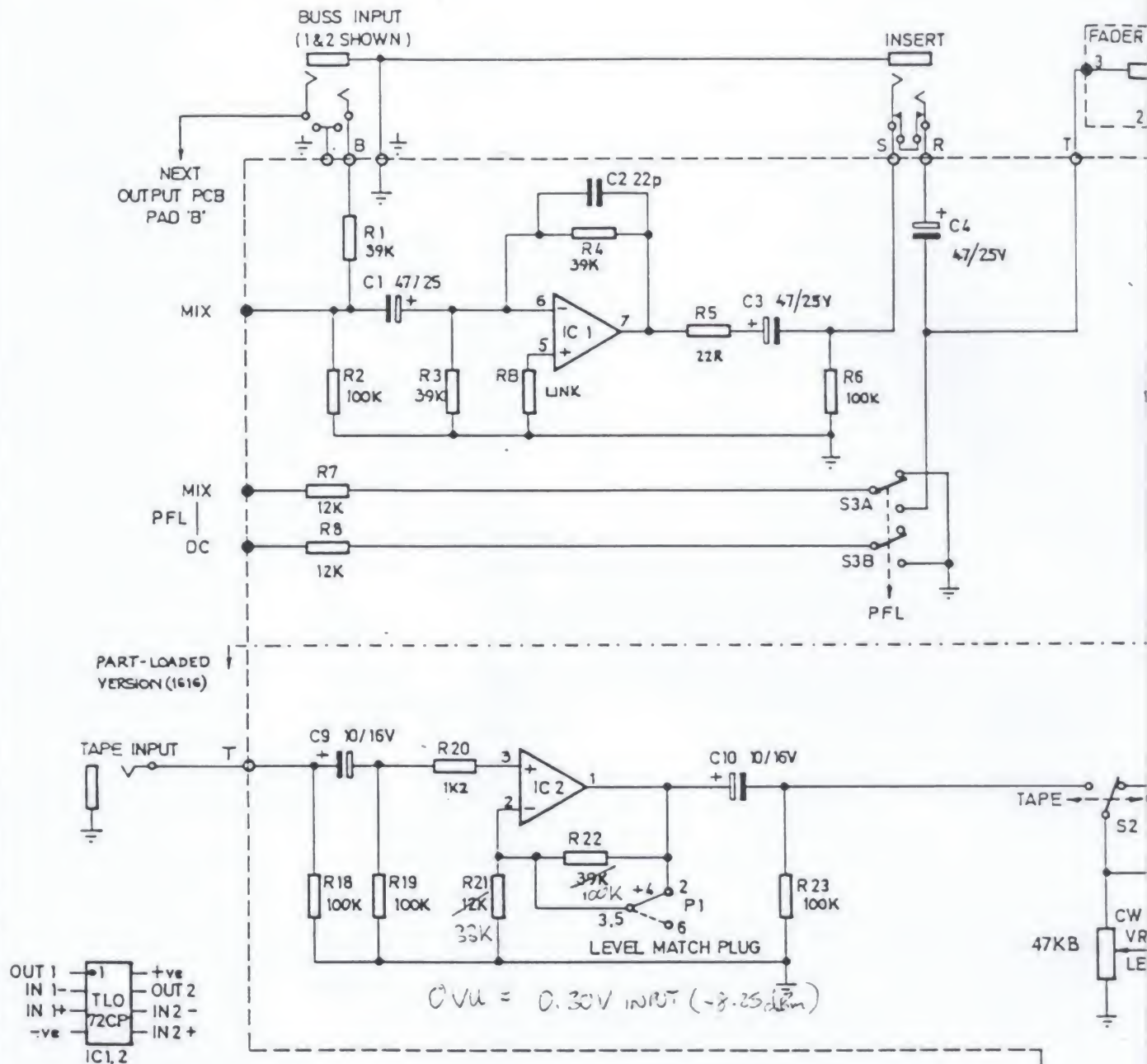








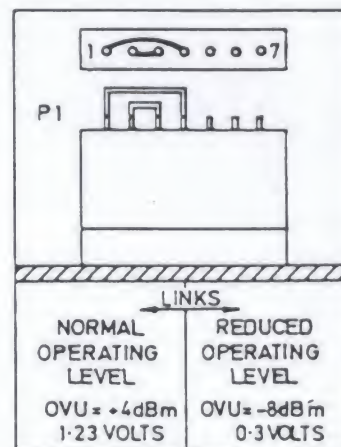
PCB ASSEMBLY DIAGRAM: OUTPUT PCB TYPE AG0056 ISSUE 2 NW 1992. ANG LTD.



NOTES:

- BUSS BAR
- WIRING PIN
1. SWITCHES SHOWN OUT
2. LEVEL MATCH PLUG 'P1' FITTED IN NORMAL POSITION AT TIME OF MANUFACTURE.
3. RESISTORS 1/4 WATT 5% UNLESS SPECIFIED.
4. CAPACITORS SHOWN MICROFARADS / VOLTS.
5. D1,2 GERMANIUM.
6. 16 MONITOR VERSION: COMPONENTS ABOVE DASH LINE NOT FITTED TO OUTPUT & MONITOR PCB ASSYS 9-16 INCL. OUTPUT 1 POINT G WIRED TO MONITOR 9 POINT G ETC.
7. C2 NOT FITTED.

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No.	DESCRIPTION	CHKD	APPD	DATE
REVISIONS				

ALLEN & HEATH SYSTEM 8

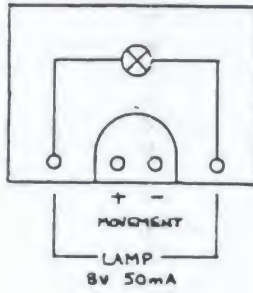
— = MK II


$$O_{VH} = 0.30V \text{ into } 12K \text{ load}$$

Figure 1. Ca^{2+} flux

INCREASE = 5dB

7K
B7K
B594 x 420 mm A2



METER TYPE SQ10

COMMON BUSBARS	
FUNCTION	CODE
PHANTOM POWER SUPPLY +48V.	P.
ELECTRONIC SUPPLY 0V.	0V.
" " +15V.	+15V.
" " -15V.	-15V.
AUXILIARY MIX 1	A1.
" " 2	A2.
" " 3	A3.
OUTPUT MIX 1	1.
" " 2	2.
" " 3	3.
" " 4	4.
" " 5	5.
" " 6	6.
" " 7	7.
" " 8	8.
STEREO MIX LEFT	L.
" " RIGHT	R.
PRE-FADE LISTEN MIX	PFL MIX.
" " " DC.	PFL DC.
FADER EARTH	-

INPUT PCB ASSEMBLIES

MASTER LEFT
PCB ASSEMBLY.

BLACK

2

SYSTEM 8

ALLEN HEATH BRENNELL LTD.

No.	DESCRIPTION	CHKD	APPD	DATE
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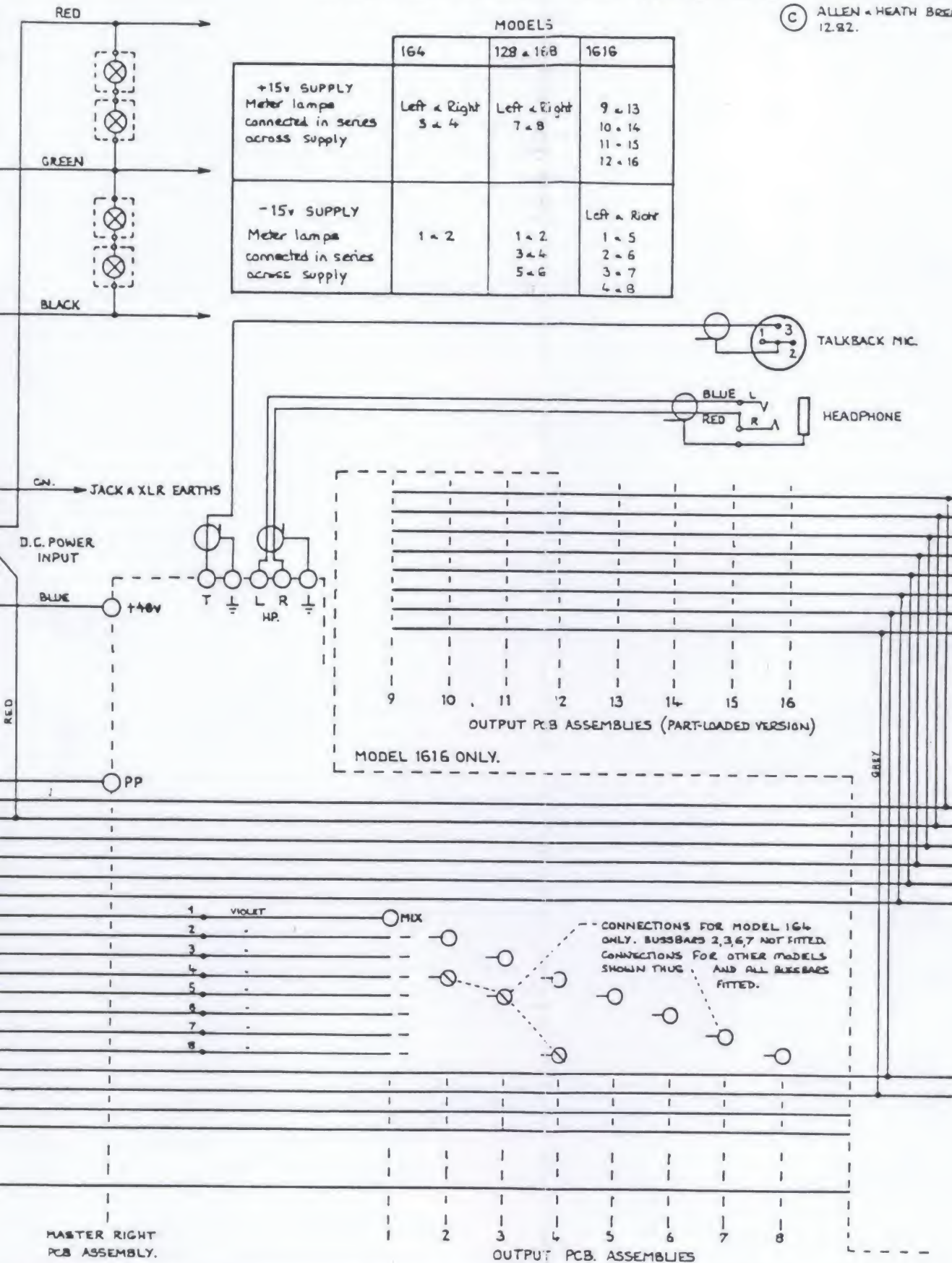
REVISIONS

SYSTEM 8 : METERPOD BUSBAR CONNECTIONS

DWG. 282 iss. 1

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12.82.

DRG. No. 282 iss. 1

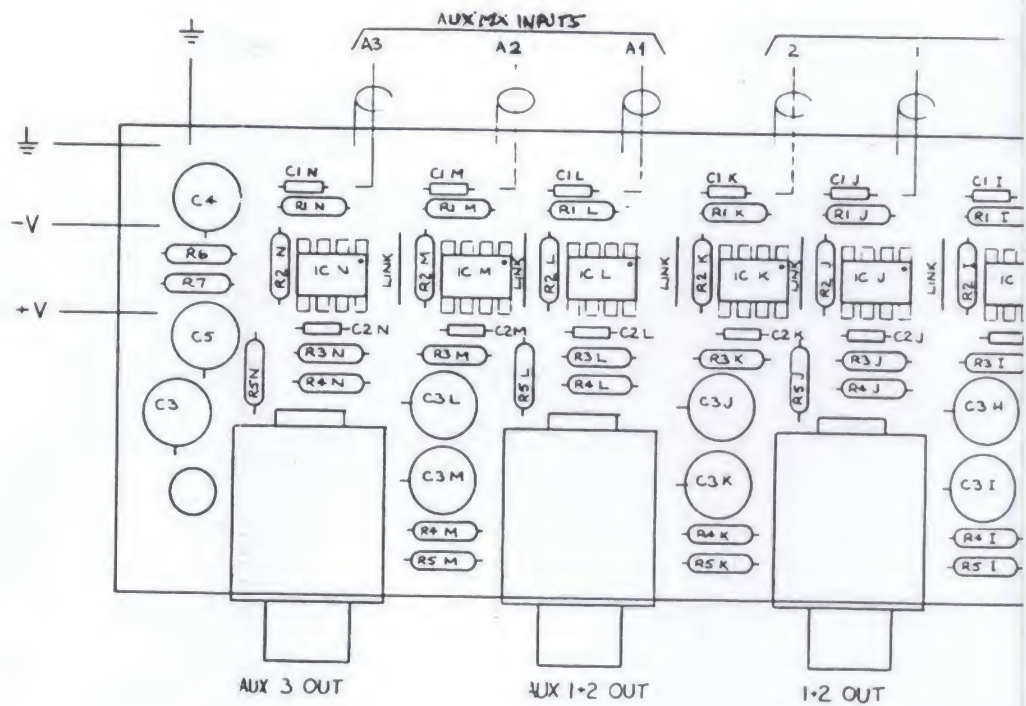


METERPOD * BUSBAR CONNECTIONS

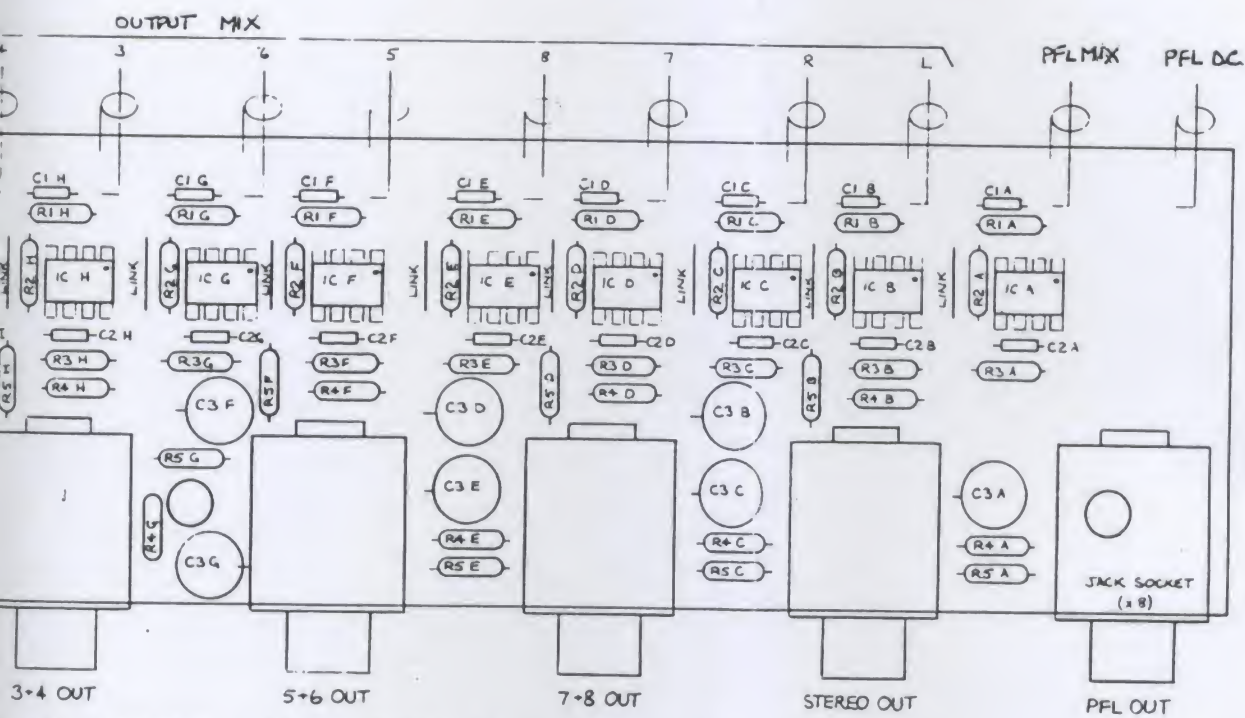
DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
R		R	R	12.82.	

DRAWING No. 282 issue 1

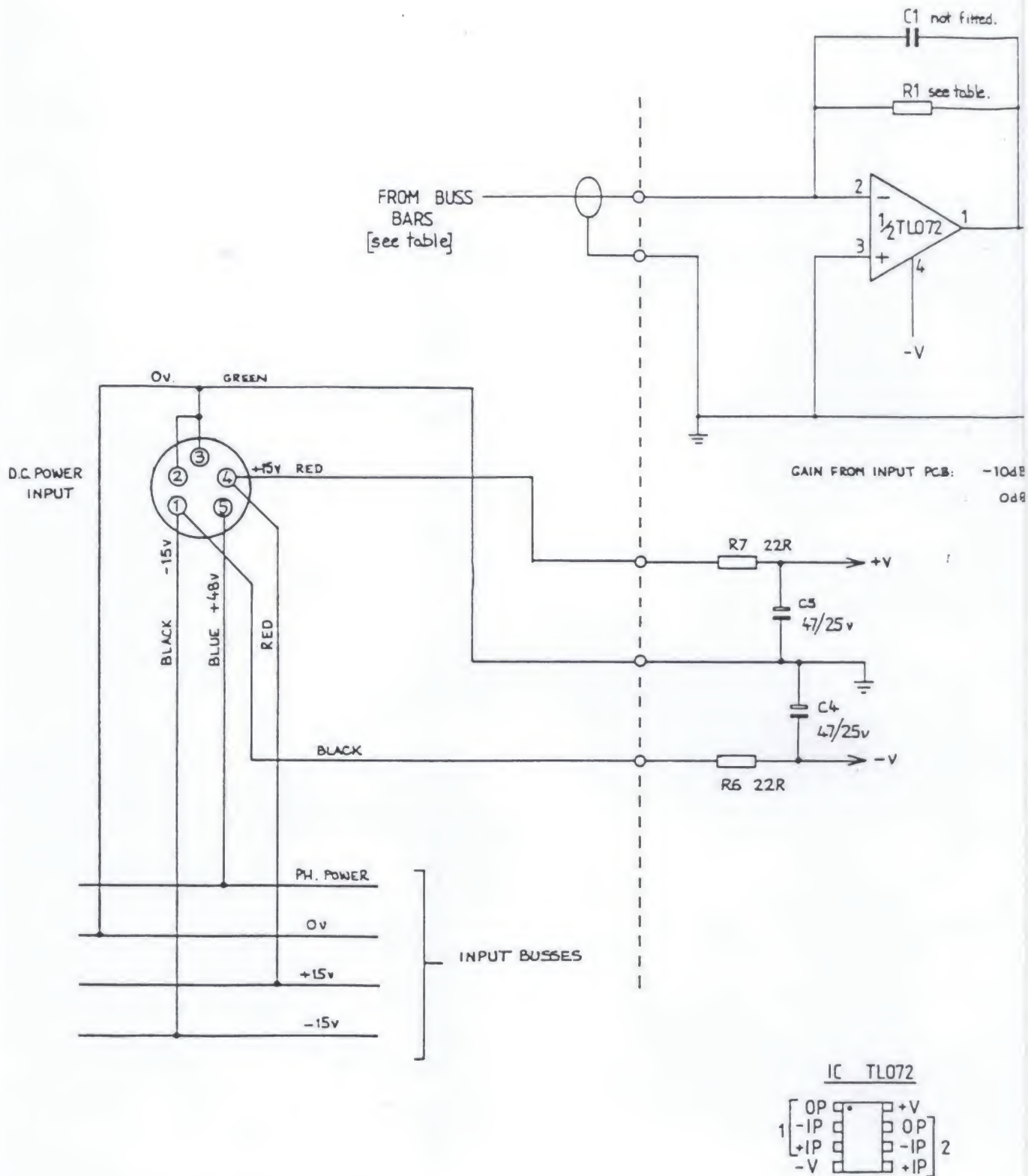
EX 8 PCB



PCB ASSEMBLY DI



RAM: PCB TYPE EXB AG0059 iss1 AHB Ltd NOV 1982.

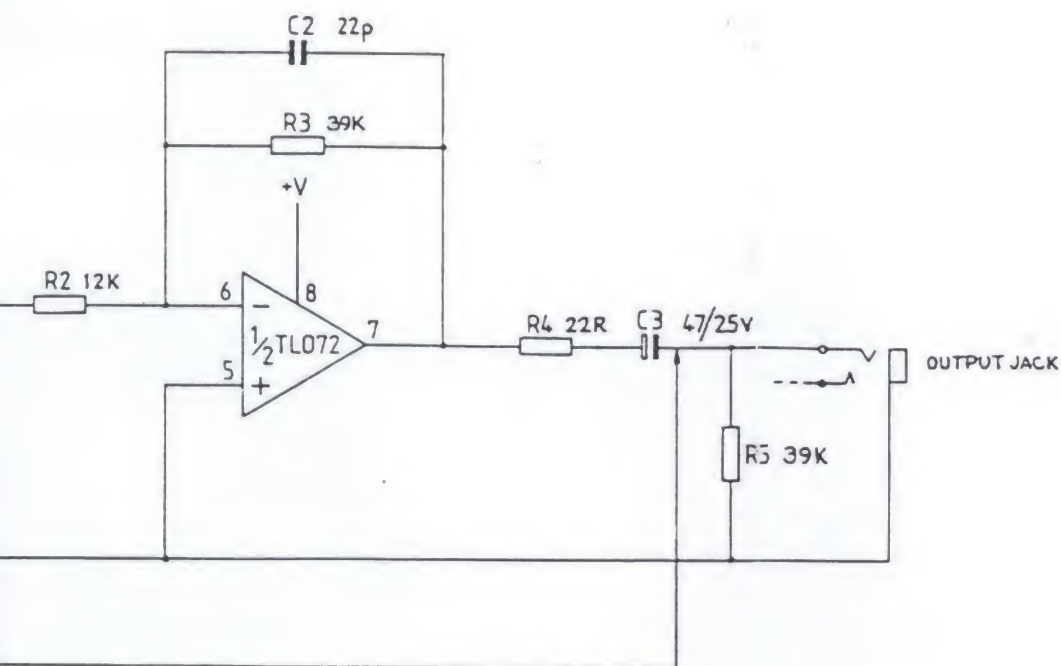


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No.	DESCRIPTION	CHKD	APPD	DATE

CIRCUIT DIAGRAM: PCB TYPE AG0059 EXB iss
ALLEN & HEATH SYSTEM 8

AHB LTD. DEC. 1982.



MIXER BUSS BAR	CIRCUIT SUFFIX	JACK SOCKET	R1
PFL SENSE	-	PFL OUT Ring	-
PFL (AUDIO)	A	" Tip	3K9
GROUP BUSS LEFT	B	STEREO OUT T	12K
" RIGHT	C	" R	12K
" 7	D	7+8 OUT T	12K
" 8	E	" R	12K
" 5	F	5+6 OUT T	12K
" 6	G	" R	12K
" 3	H	3+4 OUT T	12K
" 4	I	" R	12K
" 1	J	1+2 OUT T	12K
" 2	K	" R	12K
AUX 1	L	AUX 1+2 OUT T	15K
AUX 2	M	" R	15K
AUX 3	N	AUX 3 OUT T	15K

SYSTEM 8 : CIRCUIT DIAGRAM PCB TYPE EXB AG0059 iss 1. DWG. 281 iss 1. DEC. 1982.

DRAWN	TRACED	CHECKED	APPROVED	DATE	SCALE
MA		R	R	12.82	

DRAWING No. 281 issue 2